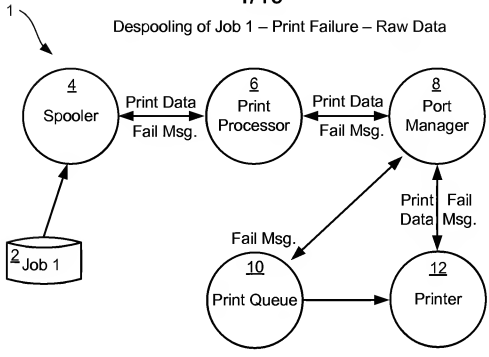
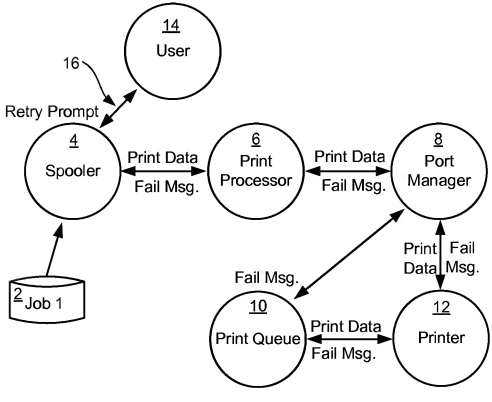


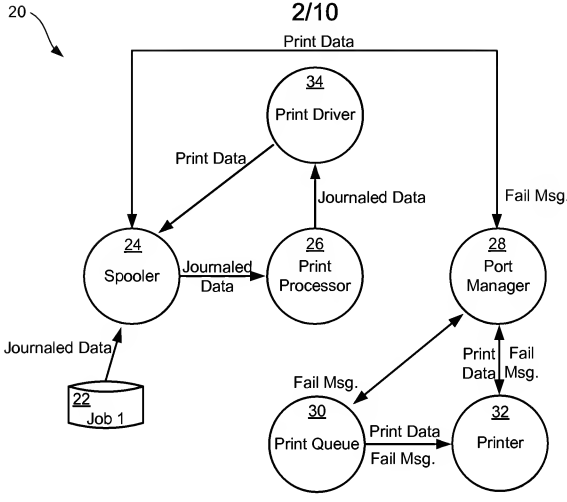
Traditional Spooler Based Print Model – Print Failure

FIG. 1



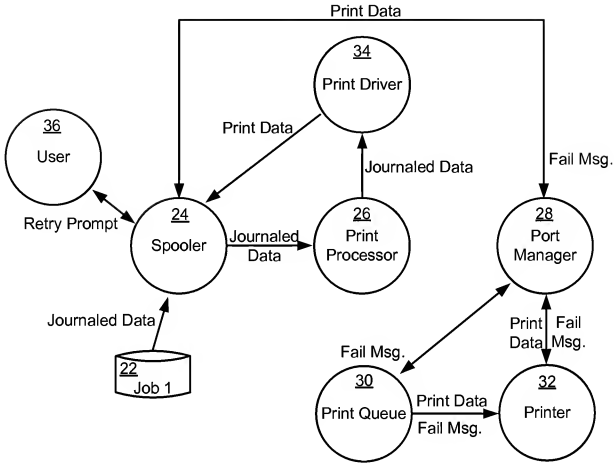
Respooling of Failed Job 1, after Reboot – Print Failure Not Fixed – Raw Data

FIG. 2



Despooling of Job 1 – Print Failure – Journaled Data

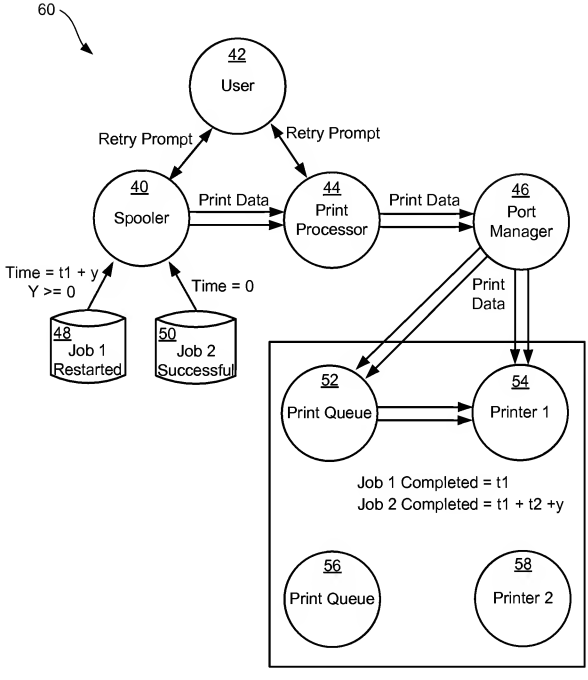
FIG. 3



Respooling of Job 1 After Reboot – Print Failure Not Fixed – Journaled Data

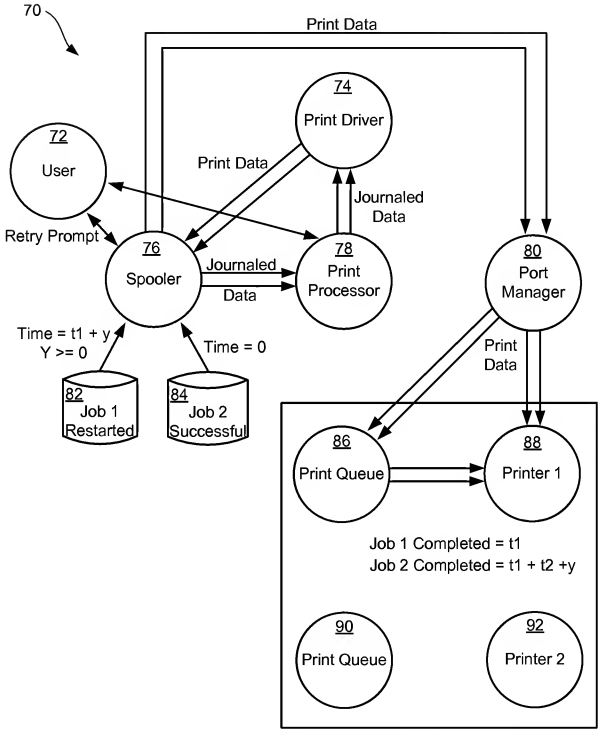
FIG. 4

Respooling Failed Print Job after Successful Print Job – Raw Data



Spooler Respooling after Successful Print in Print Environment

FIG. 5



Respooling Failed Print Job after Successful Print Job – Journaled Data

FIG. 6

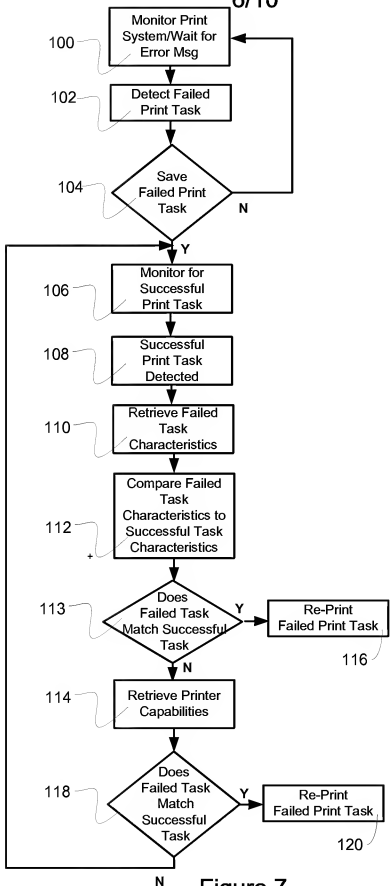

Monitor Print System/Wait for Error Msg
100
Detect Failed Print Task
102
Save Failed Print Task
104
N
Y
Monitor for Successful Print Task
106
Successful Print Task Detected
108
Retrieve Failed Task Characteristics
110
Compare Failed Task Characteristics to Successful Task Characteristics
112
Does Failed Task Match Successful Task
113
Y
Re-Print Failed Print Task
116
N
Retrieve Printer Capabilities
114
Does Failed Task Match Successful Task
118
Y
Re-Print Failed Print Task
120
N

Figure 7

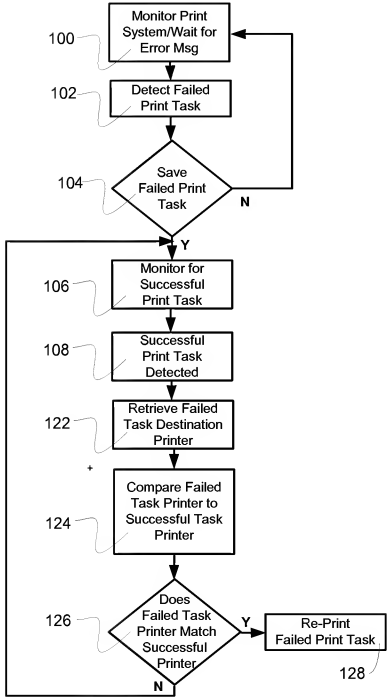

Monitor Print System/Wait for Error Msg
100
Detect Failed Print Task
102
Save Failed Print Task
104
N
Y
Monitor for Successful Print Task
106
Successful Print Task Detected
108
Retrieve Failed Task Destination Printer
122
Compare Failed Task Printer to Successful Task Printer
124
Does Failed Task Printer Match Successful Printer
126
Y
Re-Print Failed Print Task
128
N

Figure 8

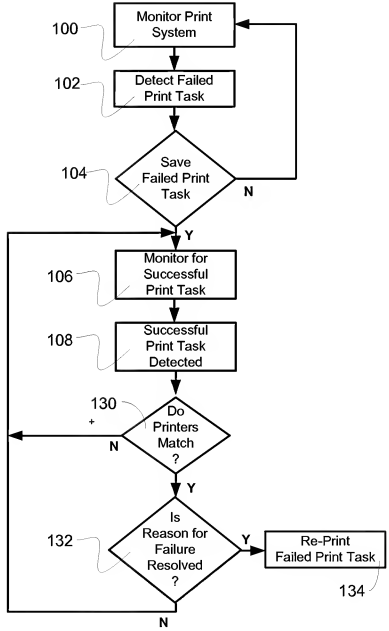

100
Monitor Print System
102
Detect Failed Print Task
104
Save Failed Print Task
N
Y
106
Monitor for Successful Print Task
108
Successful Print Task Detected
130
Do Printers Match ?
N
Y
132
Is Reason for Failure Resolved ?
Y
Re-Print Failed Print Task
134
N

Figure 9

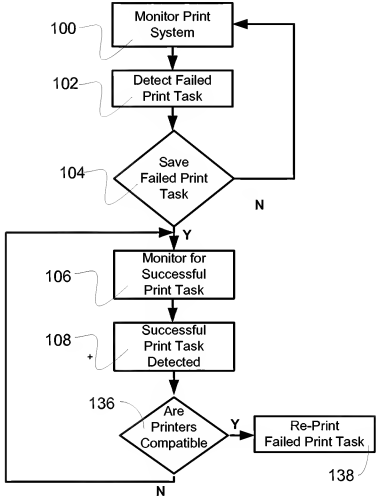

Monitor Print System
100
Detect Failed Print Task
102
Save Failed Print Task
104
N
Y
Monitor for Successful Print Task
106
Successful Print Task Detected
108
136
Are Printers Compatible
Y
Re-Print Failed Print Task
138
N

Figure 10

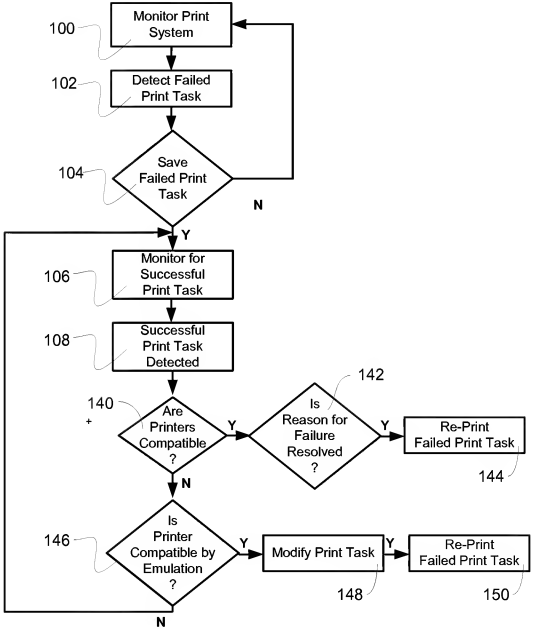

Monitor Print System
100
Detect Failed Print Task
102
Save Failed Print Task
104
N
Y
Monitor for Successful Print Task
106
Successful Print Task Detected
108
142
140
Are Printers Compatible ?
Y
Is Reason for Failure Resolved ?
Y
Re-Print Failed Print Task
144
N
Is Printer Compatible by Emulation ?
146
Y
Modify Print Task
148
Y
Re-Print Failed Print Task
150
N

Figure 11